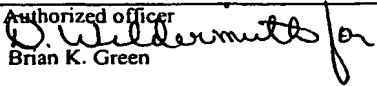


INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/39610

| A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G02B 27/02 US CL : 40/361 According to International Patent Classification (IPC) or to both national classification and IPC | | |
|--|---|--|
| B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 40/361,362,366,367; 362/33 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched None Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) None | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | US 4,118,654 A (Ohta et al.) 03 October 1978 (03/10/1978), see figures 1 and 2. | 1-12 and 15-20 |
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| Y | | 4,10,13,14 |
| Y | JP 07-306378 A (Yasushi et al.) 21 November 1995 (21/11/1995), see figure 1. | 1-20 |
| Y | US 4,510,708 A (Pokrinchak) 16 April 1985 (16/04/1985), see figures 6 and 7. | 13 and 14 |
| Y | US 5,692,818 A (Kitagawa) 02 December 1997 (02/12/1997), see figure 1. | 1-20 |
| Y | US 6,311,419 A (Inbar) 06 November 2001 (06/11/2001), see figures 3a-3c. | 1-20 |
| <input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex. | | |
| * Special categories of cited documents: | | |
| "A" | document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
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| "P" | document published prior to the international filing date but later than the priority date claimed | |
| Date of the actual completion of the international search 14 June 2005 (14.06.2005) | | Date of mailing of the international search report 22 JUL 2005 |
| Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 | | Authorized officer  Brian K. Green Telephone No. (571) 272-6644 |